



# 2000 Toxics Release Inventory

## MINNESOTA

### Reported Releases and Waste Management Activities (in pounds)

	Original Industry	New Industry	Total
On-site Releases	15,621,378	10,749,167	26,370,545
Air Emissions	14,049,537	1,117,765	15,167,302
Surface Water Discharges	1,341,693	19,935	1,361,628
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	250	0	250
Other On-site Land Releases	229,897	9,611,467	9,841,365
Off-site Releases (Transfers Off-site to Disposal)*	3,911,416	2,721,256	6,632,672
<b>Total On- and Off-site Releases</b>	<b>19,532,793</b>	<b>13,470,424</b>	<b>33,003,217</b>
Recycled On-site	217,198,633	4,394,768	221,593,401
Recycled Off-site	20,650,029	302,992	20,953,021
Energy Recovery On-site	5,242,785	0	5,242,785
Energy Recovery Off-site	10,665,336	64,029	10,729,365
Treated On-site	35,900,220	1,206,473	37,106,693
Treated Off-site**	15,380,412	24,272	15,404,684
Quantity Released On- and Off-site***	19,820,405	13,404,519	33,224,924
<b>Total Production-related Waste Managed</b>	<b>324,857,821</b>	<b>19,397,053</b>	<b>344,254,874</b>
<b>Non-production-related Waste Managed</b>	<b>1,743</b>	<b>0</b>	<b>1,743</b>

### Transfers Off-site for Further Waste Management/Disposal

Recycling	20,717,396	303,077	21,020,473
Energy Recovery	10,660,060	65,069	10,725,129
Treatment	1,248,148	7,024	1,255,172
Publicly Owned Treatment Works (POTWs)	14,556,033	20,375	14,576,408
Metals and Metal Compounds*	193,779	3,119	196,898
Non-metal TRI Chemicals**	14,362,254	17,256	14,379,510
Other Off-site Transfers****	0	0	0
Transfers Off-site to Disposal (not including metals to POTWs)	3,793,611	2,718,205	6,511,815
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	<b>50,975,248</b>	<b>3,113,750</b>	<b>54,088,998</b>

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

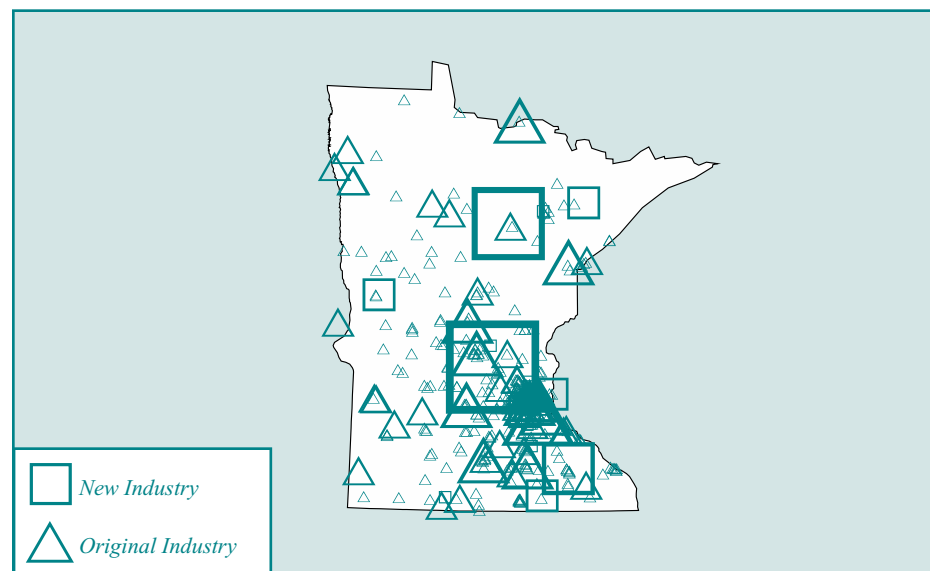
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To obtain TRI data use  
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Support Service (TRI-US):  
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Fax: (202) 401-2347  
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The largest marker in the state map represents the largest facility for on-site releases in the state of Minnesota. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

### State/TRI Data

Population	4,931,093
Square Miles	79,617
Total Facilities	484
Total Forms	1,488
Form As	285

	Original Industry	New Industry	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	32	32	34
Pounds	19,532,793	13,470,424	33,003,217
<b>National Rank for Total On-site Releases**</b>			
Rank	32	33	36
Pounds	15,621,378	10,749,167	26,370,545
<b>National Rank for Total Releases within State***</b>			
Rank	33	32	35
Pounds	16,935,745	12,338,204	29,273,949
<b>National Rank for Production-related Waste Managed</b>			
Rank	23	36	29
Pounds	324,857,821	19,397,053	344,254,874

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 2000 Toxics Release Inventory

## MINNESOTA

### On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Barium compounds	81,436	9,493	0	7,168,353	1,304,417	8,563,699	0	1,148,916	155,501
—	Copper compounds	9,668	971	0	327,020	1,600,336	1,937,995	9,219	148,345	1,451,993
67-56-1	Methanol	1,779,448	87	0	0	4,828	1,784,363	0	4,828	0
100-42-5	Styrene	1,776,268	0	0	0	15	1,776,283	0	15	0
108-88-3	Toluene	1,508,081	8	0	0	1,265	1,509,354	0	269	996

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

### On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Polycyclic aromatic compounds	27,683.27	0.00	0.00	0.00	658.03	28,341.30	0.00	386.69	271.34
—	Mercury compounds	1,736.01	0.06	0.00	890.04	326.19	2,952.30	0.00	178.06	148.13
1336-36-3	Polychlorinated biphenyls (PCBs)	78.15	0.00	0.00	0.00	1,459.00	1,537.15	0.00	252.00	1,207.00
191-24-2	Benzo(g,h,i)perylene	278.65	0.00	0.00	0.00	133.19	411.85	0.00	23.46	109.73
7439-97-6	Mercury	38.40	0.00	0.00	0.00	0.00	38.40	3.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.02	0.00	0.00	1.60	0.04	1.65	0.00	0.02	0.02
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	8.330	0.000	0.000	723.612	15.915	747.857	0.000	8.807	7.108
79-94-7	Tetrabromobisphenol A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118-74-1	Hexachlorobenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

\*\*\* No reports were submitted for these chemicals.



# 2000 Toxics Release Inventory

## MINNESOTA

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Northern States Power Co., Becker, Sherburne	98,381	170	0	0	0	7,531,055	7,629,606	280	5
Boswell Energy Center, Cohasset, Itasca	122,318	11,350	0	0	0	1,731,100	1,864,768	60	30
Koch Petroleum Group L.P., Rosemount, Dakota	379,313	724,255	0	0	0	250	1,103,818	11,896	2,876
Ford Motor Co. Twin Cities Assembly Plant, Saint Paul, Ramsey	900,656	0	0	0	0	0	900,656	1,098	591
3M Cottage Grove Center, Cottage Grove, Washington	330,462	336,905	0	0	0	0	667,367	2,333	73,890
Electrolux Home Prods. Freezers, Saint Cloud, Stearns	634,015	0	0	0	0	0	634,015	37,000	0
3M Hutchinson, Hutchinson, Mc Leod	555,423	0	0	0	0	0	555,423	8,720	7,070
Boise Cascade Corp., International Falls, Koochiching	519,801	34,320	0	0	0	0	554,121	20,020	0
Cenex Harvest States Oilseed Processing & Refining, Mankato, Blue Earth	478,000	250	0	0	250	0	478,500	0	0
Potlatch Corp. MN P & P Div., Cloquet, Carlton	342,005	0	0	0	0	133,265	475,270	40,340	0

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
ADM, Red Wing, Goodhue	13,980.00	0.00	0.00	0.00	0.00	0.00	13,980.00	0.00	0.00
AG Processing Inc. A Cooperative, Dawson, Lac Qui Parle	8,390.00	0.00	0.00	0.00	0.00	0.00	8,390.00	0.00	0.00
Central Specialties Inc. - Hot Mix Plant 1, Alexandria, Douglas	4,420.24	0.00	0.00	0.00	0.00	0.00	4,420.24	0.00	0.00
Northern States Power Co., Becker, Sherburne	886.20	0.00	0.00	0.00	0.00	804.59	1,690.80	0.00	0.00
Koch Petroleum Group L.P., Rosemount, Dakota	732.56	0.06	0.00	0.00	0.00	0.00	732.62	216.31	0.99
Boswell Energy Center, Cohasset, Itasca	263.30	0.00	0.00	0.00	0.00	70.00	333.30	0.00	0.00
Agni Link Foods, Waseca, Waseca	300.00	0.00	0.00	0.00	0.00	0.00	300.00	0.00	0.00
North Star Steel Co. - Minnesota Div., Saint Paul, Ramsey	152.00	0.00	0.00	0.00	0.00	0.00	152.00	0.00	0.00
Riverside Generating Plant, Minneapolis, Hennepin	99.00	0.00	0.00	0.00	0.00	0.00	99.00	14.00	0.00
Marathon Ashland Petroleum L.L.C. Saint Paul Park Refy., Saint Paul Park, Washington	91.26	0.00	0.00	0.00	0.00	0.00	91.26	144.20	381.13

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 2000 Toxics Release Inventory

## MINNESOTA

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Northern States Power Co., Becker, Sherburne	0	0	0	0	654,375	0	7,598,512	8,252,887	0
North Star Recycling, Saint Paul, Ramsey	299,164	16	0	0	0	0	2,358,923	2,658,103	0
Boswell Energy Center, Cohasset, Itasca	0	0	0	0	111,038	0	1,845,333	1,956,371	0
US Filter Recovery Services Inc., Roseville, Ramsey	4,377,938	63,109	0	0	46,000	16,835	1,133,137	5,637,019	0
Koch Petroleum Group L.P., Rosemount, Dakota	61,901	58,734	0	868	3,147,541	937	1,113,281	4,383,263	131
A.S. King Generating Plant, Bayport, Washington	0	0	0	0	133,734	0	1,024,161	1,157,895	0
Ford Motor Co. Twin Cities Assembly Plant, Saint Paul, Ramsey	0	487,000	0	4,280	477,739	18,570	903,700	1,891,289	0
3M Cottage Grove Center, Cottage Grove, Washington	0	427,982	30,160	7,372,031	4,140,069	147,917	743,590	12,861,749	0
Electrolux Home Prods. Freezers, Saint Cloud, Stearns	0	12,100	0	0	0	350	672,000	684,450	0
3M Hutchinson, Hutchinson, Mc Leod	18,726,500	4,700	0	1,688,312	3,400,000	488,760	568,858	24,877,130	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
ADM, Red Wing, Goodhue	0	0	0	0	0	0	13,980	13,980	0
AG Processing Inc. A Cooperative, Dawson, Lac Qui Parle	0	0	0	0	0	0	8,390	8,390	0
Northern States Power Co., Becker, Sherburne	0	0	0	0	3,465	0	1,688	5,153	0
North Star Recycling, Saint Paul, Ramsey	0	16	0	0	0	0	1,316	1,332	0
Koch Petroleum Group L.P., Rosemount, Dakota	21	37	0	454	3	254	946	1,716	0
Marathon Ashland Petroleum L.L.C. Saint Paul Park Refy., Saint Paul Park, Washington	3,216	0	0	407	0	15	617	4,255	0
Spectro Alloys Corp., Rosemount, Dakota	0	0	0	0	0	65	380	445	0
Boswell Energy Center, Cohasset, Itasca	0	0	0	0	2,038	0	333	2,371	0
Agni Link Foods, Waseca, Waseca	0	0	0	0	0	0	300	300	0
A.S. King Generating Plant, Bayport, Washington	0	0	0	0	734	0	161	895	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.